

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

At page 13, please amend as follows:

CLAIMSWHAT IS CLAIMED IS:

1. (Original) A method of determining face sub-spaces, the method comprising:
 - a. generating a first series of initial images in which a first predetermined facial property is modified,
 - b. generating a second series of initial images in which a second predetermined facial property is modified,
 - c. coding each series of images according to the variance of the images to obtain an estimated sub-space for each facial property,
 - d. concatenating the sub-spaces to provide a single over-exhaustive space,
 - e. approximating each image of the first and second series on the over-exhaustive space to obtain approximated versions of each image on each estimated property subspace,
 - f. generating overall approximated versions of each image on the whole over-exhaustive space,
 - g. comparing the overall approximated version of each image with the initial image to determine an error value for each image,

- h. sub-dividing the error value for each image into a sub-error for each estimated property sub-space in proportion to the variance of that sub-space,
 - i. combining each sub-error for each image with the approximated version of that image on the estimated property sub-space, to obtain a new approximated version in the property sub-space for each image,
 - j. coding the new approximated versions of the images according to their variance to obtain new estimated sub-spaces.
2. (Original) A method of determining face sub-spaces according to claim 1, further comprising approximating each image on the new estimated sub-spaces as described in steps “a” to “j” and then repeating steps “d” to “j” until the sub-spaces have stabilized.
3. (Previously Amended) A method of determining face sub-spaces according to claim 1, wherein three or more series of images are generated, a different predetermined facial property being modified in each series.
4. (Original) A method according to claim 3, wherein the predetermined facial properties are categorized as at least some of identity, expression, pose, lighting and age.
5. (Previously Amended) A method according to claim 1, where at least one further series of images is generated, a further predetermined facial property being modified in the series.

Claims 6-7 – cancelled.